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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/564,821	06/22/2006	Kazumi Naito	Q76689	3156
23373 SUGHRUE MI	7590 04/23/200 ON. PLLC	EXAMINER		
2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			PATEL, REEMA	
			ART UNIT	PAPER NUMBER
	•		2812	
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		04/23/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)			
Office Action Summary		10/564,821	NAITO ET AL.			
		Examiner	Art Unit			
		Reema Patel	2812			
Period fo	 The MAILING DATE of this communication ap or Reply 	pears on the cover sheet with the	correspondence address			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPL CHEVER IS LONGER, FROM THE MAILING Designs of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statut reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	OATE OF THIS COMMUNICATIO 136(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS fron e, cause the application to become ABANDONI	N. mely filed n the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1) 🏹	Responsive to communication(s) filed on 18 J	lanuary 2006.				
	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims					
4)⊠	4)⊠ Claim(s) <u>1-9</u> is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)⊠	Claim(s) <u>1-6</u> is/are allowed.					
6)⊠	Claim(s) <u>7-9</u> is/are rejected.					
7)	<u>.</u>					
8)□	8) Claim(s) are subject to restriction and/or election requirement.					
Applicati	ion Papers					
9)[The specification is objected to by the Examine	er.				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
	Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is ot	ojected to. See 37 CFR 1.121(d).			
11)	The oath or declaration is objected to by the E	xaminer. Note the attached Office	e Action or form PTO-152.			
Priòrity ι	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).					
* 5		, , , ,	ed			
* See the attached detailed Office action for a list of the certified copies not received.						
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Attachmen						
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Ll Interview Summary Paper No(s)/Mail D				
3) 🔀 Infor	mation Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal F				
Pape	r No(s)/Mail Date <u>1/18/06,6/22/06</u> .	6)				

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Information Disclosure Statement

2. The information disclosure statement (IDS) was submitted on 1/18/06. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement has been considered by the examiner.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 4. Claims 7-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Kuroyanagi (U.S. 6,862,169 B2).
- 5. Claim 7 is a product-by-process claim and as such, will be examined with regard to the structure implied by the process steps. See MPEP 2113.

Regarding claim 7, Kuroyanagi discloses the following structural limitations as implied by claim 1:

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A solid electrolytic capacitor element comprising:

 An anode body composed of a material containing at least one member selected from a group consisting of an earth-acid metal, an alloy comprising an earth-acid metal as the main component, an electrically conducting oxide of an earth-acid metal and a mixture of two or more thereof (col 4, lines 47-50);

- a dielectric layer formed on the anode body by electrolytic oxidation (electrochemical formation) and comprising an oxide as the main component (col 4, lines 61-63);
- a semiconductor layer formed on the dielectric layer (col 5, lines 40-41);
- an electrically conducting layer stacked on the semiconductor layer (col 7, lines 6-10);
- 6. Although the method of Kuroyanagi is not the same as that of claim 1 in the instant application, claim 1 of the instant application does not state the presence of any distinctive structural characteristics to the final product due to its differing method.
- 7. As to claims 8 and 9, Kuroyanagi describes the electrolytic capacitor of claim 7 in terms of its use as an electric circuit device (i.e. "reduced equivalent series resistance components") See col 9, lines 65-67), and col 10, lines 1-9.

Allowable Subject Matter

8. Claims 1-6 are allowed.

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9. Claim 1 contains allowable subject matter because of the limitation of a voltage applying treatment comprising repeating a step of leaving the resin-molded body to stand at a temperature of 225 to 305°C and a step of aging, sequentially repeated twice or more after the steps of molding with resin and curing.

10. Claims 2-6 depend on claim 1.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yasuhiro et al. (JP 2000-340466) discloses a voltage applying treatment of performing two sequential aging steps. Kamigawa et al. (U.S. 6,139,592) discloses subjecting a capacitor element to an aging treatment comprised of more than one aging step. Allman et al. (U.S. 6,566,186 B1) discloses performing a series of thermal cycles to strengthen a dielectric within a capacitor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reema Patel whose telephone number is 571-270-1436. The examiner can normally be reached on M-F, 8:00-4:30 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Lebentritt can be reached on 571-272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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